

OUT61002

1967 JAN 24 02 44Z

25X1  
TOP SECRET 240236Z CITE [REDACTED]

25X1

24 JAN 1967

25X1 REF: [REDACTED]

1. TWO D-POS COPIES OF MISSION 1037-2 PRODUCED ON SO-255 FILM WERE RECEIVED AND EVALUATED.

2. THE FOLLOWING RESULTS REFLECT A COMPARATIVE ANALYSIS OF SO-255 FILM AND THE PRESENTLY USED 8430 FILM.

A. A COMPARATIVE ANALYSIS OF IMAGE QUALITY WAS CONDUCTED. NO DIFFERENCES IN IMAGE QUALITY CONSIDERED ATTRIBUTABLE TO THE DIFFERENT BASE MATERIALS AND THICKNESSES WERE DETECTED BETWEEN SO-255 AND 8430.

B. AN INVESTIGATION OF SO-255 FILM AND ITS USE ON IN-HOUSE EQUIPMENT HAS SHOWN NO SIGNIFICANT PROBLEMS.

C. A TEST FOR DIMENSIONAL DIFFERENCES ALONG AND CROSS FORMAT WAS CONDUCTED. RESULTS INDICATE SO-255 DIMENSIONS WERE LARGER BY AN AVERAGE 0.06 PERCENT LONG FORMAT AND 0.13 PERCENT CROSS FORMAT. THIS DIFFERENCE IS CONSIDERED INSIGNIFICANT IN PROVIDING DIMENSIONAL INFORMATION WITHIN THE CURRENT OPERATIONAL ENVIRONMENT.

3. INVESTIGATIVE RESULTS INDICATE THAT USE OF SO-255 FILM WILL BE AS ACCEPTABLE AS 8430 FILM IN FULFILLING CURRENTLY EXISTING REQUIREMENTS.

- 2 -

4. ALL EVALUATIONS WERE MADE ON D-POS MATERIAL. CROSS  
COMPARISON OF SO-255 AND 8430 D-POS COPIES TO THE O-NEG WERE  
NOT MADE BECAUSE OF TIME LIMITATIONS.

T O P S E C R E T

-END OF MESSAGE-

1